

DERWENT-ACC-NO: 1990-295945

DERWENT-WEEK: 199039

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TITLE: Cultivation of dianthus in protected ground - by growing plants in two-layer mineral wool substrate with intermediate natural zeolite layer contg. micro-elements

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PATENT-ASSIGNEE: PHYS CHEM INST PISA[PHYSR]

PRIORITY-DATA: 1987SU-4260845 (June 10, 1987)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
SU 1526612 A	December 7, 1989	N/A	000	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
SU 1526612A	N/A	1987SU-4260845	June 10, 1987

INT-CL (IPC): A01G031/00

ABSTRACTED-PUB-NO: SU 1526612A

BASIC-ABSTRACT:

The process involves planting Dianthus on a two-layer mineral wool substrate, tending the plants and introducing macro- and micro-elements into the root systems of the plants.

The micro-elements are introduced by creating an intermediate layer between the substrate layers. The intermediate layer comprises a mixt. of 100-300g natural zeolite and 1.5-2.5 g of a complex cpd. of zinc, copper or iron and N-2,3-dimethyl- phenyl- anthranilic acid per sq.m. of substrate.

The process increases the crop yield by 50% and, at the same time, improves the

quality of the flowers. The yield of the Dianthus variety 'Extra' is increased by 11-44%. In addition, regular addition of micro-elements to the plants is not required.

USE/ADVANTAGE - In horticulture for growing flowers in protected ground. The process is more efficient and simpler. Bul.45/7.12.89

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: CULTIVATE PROTECT GROUND GROW PLANT TWO LAYER  
MINERAL WOOL

SUBSTRATE INTERMEDIATE NATURAL ZEOLITE LAYER CONTAIN  
MICRO ELEMENT

DERWENT-CLASS: C03 P13

CPI-CODES: C04-A07D5; C04-D02; C05-A03A; C05-B02C; C10-B02E; C12-N08;

CHEMICAL-CODES:

Chemical Indexing M1 \*01\*

Fragmentation Code

M423 M720 M903 N137 V400 V404

Registry Numbers

1327U 0502U

Chemical Indexing M1 \*02\*

Fragmentation Code

M423 M431 M782 M903 P127 V793

Registry Numbers

1327U 0502U

Chemical Indexing M2 \*03\*

Fragmentation Code

A426 A429 A430 A960 C710 G011 G014 G100 H1 H102

H141 J0 J011 J1 J131 M1 M121 M143 M210 M211

M240 M282 M320 M411 M431 M510 M520 M532 M540 M630

M782 M903 M904 P127

Markush Compounds

199039-68501-M

Registry Numbers

1327U 0502U

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1990-128097  
Non-CPI Secondary Accession Numbers: N1990-227359